## Introduction to Databases and System Analysis

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| *SMS Code* | IN505001/IX505001 | *Directed Learning hours* | 60 |
| *Level* | 5 | *Workplace or Practical Learning hours* | nil |
| *Credits* | 15 | *Self Directed Learning hours* | 90 |
| Prerequisites | None | *Total Learning Hours* | 150 |
| *This course partially replaces IT114001.*  *Name of other Programme: Bachelor of Information Technology (version 2)* | | | |

***Aims***

To provide students with an introduction to business processes and information management in the information technology and related industries.

***Learning Outcomes***

At the successful completion of this course, students will be able to:

1. Analyse business processes pertinent to the IT industry.
2. Explain information systems in terms of data structure, software architecture, and roles.
3. Design, document, and develop simple information systems using a data store in a specified context.

***Indicative Content***

* Principles of data and process analysis
* Database design and construction
* Object Orientation theory and diagrams (simple)
* Basic SQL underpinning database operations
* Varied design scenarios including games, common business operations, financial systems
* Practice user interviews

***Assessment***

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| **Assessment Activity** | **Weighting** | **Learning Outcomes** |
| Database Assignment | 40% | 2, 3 |
| OO Modelling Assignment | 30% | 2, 4, 5 |
| Test | 30% | 1, 2, 3, 4, 5 |